



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 09/606,734  
Applicant : David Black et al.  
Filed : June 29, 2000  
T.C./A.U. : 2187  
Examiner : Than Vinh Nguyen

Confirmation No. : 6696

Docket No. : EMC2-056PUS (formerly 07072-113001)  
Customer No. : 022494

**RECEIVED**

**FEB 03 2004**

**Technology Center 2100**

Certificate of Mailing (37 C.F.R. 1.8(a))

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first-class mail with in an envelope addressed to: Mail Stop Group RCE, Commissioner for Patents, P. O. Box 1450 Alexandria, VA 22313-1450 on the date set forth below.

1/27/04  
Date of Signature  
and Mail Deposit

By: Judith C. Tarrant  
Judith C. Tarrant

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop RCE  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

It is desired to cite for the record in this application the enclosed documents listed on the attached copy of PTO Form 1449. The paragraph(s) marked below are applicable to this Information Disclosure Statement.

[ X ] (1) The enclosed Information Disclosure Statement is being filed: within three months of the filing date; or within three months of the entry of the national stage of the above-identified application; or before the mailing of a first Office Action on the merits; or before the

mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. §1.114. Accordingly, Applicant(s) believes that no fee or statement is required.

[ ] (2) Pursuant to 37 C.F.R. § 1.97(c), the enclosed Information Disclosure Statement is being filed before the mailing date of a final action or a notice of allowance and is accompanied by the fee set forth in 37 C.F.R. § 1.17(p).

SUBMISSION UNDER 37 C.F.R. § 1.97(c)

INCLUDING A STATEMENT UNDER 37 C.F.R. § 1.97(e)(1)

[ ] (3) Pursuant to 37 C.F.R. § 1.97(c), the enclosed Information Disclosure Statement is being filed before the mailing date of a final action or a notice of allowance and is accompanied by a statement under 37 C.F.R. § 1.97(e)(1). The undersigned hereby states that each item of information contained in the attached Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application mailed not more than three months prior to the filing of the accompanying Information Disclosure Statement.

SUBMISSION UNDER 37 C.F.R. § 1.97(c)

INCLUDING A STATEMENT UNDER 37 C.F.R. § 1.97(e)(2)

[ ] (4) Pursuant to 37 C.F.R. § 1.97(c), the enclosed Information Disclosure Statement is being filed before the mailing date of a final action or a notice of allowance and is accompanied by a statement under 37 C.F.R. § 1.97(e)(2). The undersigned hereby states that no item of information contained in the accompanying Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the accompanying Information Disclosure Statement was known to any individual having a duty of disclosure as set forth in 37 C.F.R. § 1.56 (c) more than three months prior to the filing of the accompanying Information Disclosure Statement.

SUBMISSION UNDER 37 C.F.R. § 1.97(c)

INCLUDING STATEMENTS UNDER 37 C.F.R. §§ 1.704(d) AND 1.97(e)(1)

[ ] (5) Pursuant to 37 C.F.R. § 1.97(c), the enclosed Information Disclosure Statement is being filed before the mailing date of a final action or a notice of allowance and is accompanied by statements under 37 C.F.R. §§ 1.704(d) and 1.97(e)(1). The undersigned hereby states that each item of information contained in the attached Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application mailed not more than three months prior to the filing of the accompanying Information Disclosure Statement and was not received by any individual designated in §1.56(c) more than thirty days prior to the filing of the accompanying Information Disclosure Statement.

SUBMISSION UNDER 37 C.F.R. § 1.97(d)

INCLUDING A STATEMENT UNDER 37 C.F.R. § 1.97(e)(1)

[ ] (6) Pursuant to 37 C.F.R. § 1.97(d), the enclosed Information Disclosure Statement is being filed on or before payment of the issue fee and is accompanied by a statement under 37 C.F.R. § 1.97(e)(1) and the fee required under 37 C.F.R. § 1.17(p). The undersigned hereby states that each item of information contained in the accompanying Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Information Disclosure Statement.

SUBMISSION UNDER 37 C.F.R. § 1.97(d)

INCLUDING A STATEMENT UNDER 37 C.F.R. § 1.97(e)(2)

[ ] (7) Pursuant to 37 C.F.R. § 1.97(d), the enclosed Information Disclosure Statement is being filed on or before payment of the issue fee and is accompanied by a statement under 37 C.F.R. § 1.97(e)(2) and the fee required under 37 C.F.R. § 1.17(p). The undersigned hereby states that no item of information contained in the accompanying Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item

of information contained in the accompanying Information Disclosure Statement was known to any individual having a duty of disclosure as set forth in 37 C.F.R. § 1.56(c) more than three months prior to the filing of the accompanying Information Disclosure Statement.

SUBMISSION UNDER 37 C.F.R. § 1.97(d)

INCLUDING STATEMENTS UNDER 37 C.F.R. §§ 1.704(d) AND 1.97(e)(1)

[ ] (8) Pursuant to 37 C.F.R. § 1.97(d), the enclosed Information Disclosure Statement is being filed on or before payment of the issue fee and is accompanied by statements under 37 C.F.R. §§ 1.704(d) and 1.97(e)(1) and the fee required under 37 C.F.R. § 1.17(p). The undersigned hereby states that each item of information contained in the attached Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application mailed not more than three months prior to the filing of the accompanying Information Disclosure Statement and was not received by any individual designated in §1.56(c) more than thirty days prior to the filing of the accompanying Information Disclosure Statement.

The filing of this Information Disclosure Statement is not a representation by the undersigned as to personal knowledge of the contents of every word or phrase of the material enclosed or that reliance on other suitably trained professionals has not been made.

If a search report of a searching agency is enclosed identifying the nature of the relevance of each document, such a designation is deemed to satisfy Rule 98(a) (3) even if in a foreign language, since the few terms of relevance therein are deemed of universal cognizance. However, Applicant(s) does not necessarily adopt the position reflected by that report.

Appl. No. 09/606,734  
Information Disclosure Statement

Docket No: EMC2-056PUS  
(formerly 07072-113001)

The Commissioner is hereby authorized to charge payment of any additional fees associated with this communication or credit any overpayment to Deposit Account No. 500845.

Dated: \_\_\_\_\_

1-27-04

Respectfully submitted,

DALY, CROWLEY & MOFFORD, LLP

By: \_\_\_\_\_

Richard M. Sharkansky  
Reg. No. 25,800  
Attorney for Applicant(s)  
275 Turnpike Street, Suite 101  
Canton, MA 02021-2354  
Tel.: (781) 401-9988, ext. 23  
Fax: (781) 401-9966

Q:\emc2\EMC2-056PUS(113001)\emc2-056pus ids 26Jan04.doc

Form PTO-1449  
(Rev. 8-83)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

EMC2-056PUS (formerly  
07072-113001)

APPLICATION NO.

09/606,734



INFORMATION DISCLOSURE CITATION

(See several sheets if necessary)

APPLICANT

David Black et al.

FILING DATE

June 29, 2000

GROUP

2187

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE*
	4 4 3 8 4 9 4	3/20/84	Budde et al.			
	4 4 5 6 9 8 7	6/26/84	Wirsing			
	4 6 3 6 9 4 6	1/13/87	Hartung et al.			
	4 7 8 0 8 0 8	10/25/88	Moreno et al.			
	5 4 0 6 6 0 7	4/11/95	Marietta			
	5 5 3 9 7 3 3	7/23/96	Anderson et al.			
	5 5 5 1 0 4 8	8/27/96	Steely, Jr.			
	5 5 8 6 2 6 4	12/17/96	Belknap et al.			
	5 6 0 3 0 5 8	2/11/97	Belknap et al.			
	5 7 0 3 8 7 5	12/30/97	Burnett			
	5 7 4 5 7 9 0	4/28/98	Oskouy			
	5 7 8 7 2 6 5	7/28/98	Leshem			
	5 9 4 8 0 6 2	9/7/99	Tzelnic et al.			
	5 9 4 9 9 8 2	9/7/99	Frankeny et al.			

RECEIVED

FEB 03 2004

Technology Center 2100

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
					YES NO
0 5 1 0 8 2 1	10/28/92	EP			
0 7 9 5 8 1 2	9/17/97	EP			
8 1 7 2 4 4 6	7/2/96	JP			X
2 3 6 6 4 2 4	3/6/02	GB			

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

	F. Halsall, "The Role of DQDB, 1994, The Institution of Electrical Engineers, IEE, Savoy Place, London WC2R OBL.UK
Examiner	Date Considered:
	*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and considered. Include copy of this form with next communication to applicant.

Form PTO-1449  
(Rev. 8-83)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

EMC2-056PUS (formerly  
07072-113001)

APPLICATION NO.

09/606,734

## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)



APPLICANT

David Black et al.

FILING DATE

June 29, 2000

GROUP

2187

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE*
	6 0 5 5 6 0 3	4/25/00	Ofer et al.			
	6 2 4 0 3 3 5	5/29/01	Wehrung et al.			
	6 3 3 8 0 9 5	1/8/02	Yasuda et al.			
	6 4 1 8 4 9 6	7/9/02	Pawlowski et al.			
	6 3 0 4 9 0 3	10/16/01	Ward			
	5 1 1 9 4 8 5	06/02/92	Ledbetter, Jr. et al.			
	5 2 6 9 0 1 1	12/07/93	Yanai, et al.			
	5 4 7 9 6 1 1	12/26/95	Oyama			
	5 7 4 2 7 8 9	04/21/98	Ofer, et al.			
	5 8 1 9 1 0 4	10/16/98	Tuccio			
	6 1 2 5 4 2 9	09/26/00	Goodwin, et al.			
	6 2 3 0 2 2 9	05/08/01	Van Krevelen, et al.			
	6 2 7 5 8 7 7	08/14/01	Duda			
	6 3 1 7 8 0 5	11/13/01	Chilton, et al.			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	WO 99/26150	05/27/99	PCT				
	2366425	10/25/01	Great Britain (Abstract only)				

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

Examiner	Date Considered:
	*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and considered. Include copy of this form with next communication to applicant.

(702143)

Q:\emc2\EMC2-056PUS(113001)\emc2-056pus Fm 1449 Pg 2 26Jan04.doc

Form PTO-1449  
(Rev. 8-83)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

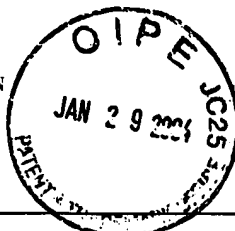
ATTY. DOCKET NO:

EMC2-056PUS

APPLICATION NO.

09/606,734

## INFORMATION DISCLOSURE CITATION



APPLICANT

David Black et al.

FILING DATE

June 29, 2000

GROUP

2187

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE*
	6 3 7 8 0 2 9	04/23/02	Venkitakrishnan, et al.			
	4 4 8 4 2 6 2	11/20/84	Sullivan, et al.			
	4 8 0 0 4 8 3	01/24/89	Yamamoto, et al.			
	5 3 3 5 3 2 7	08/02/94	Hisano, et al.			
	5 6 8 9 7 2 8	11/18/97	Sugimoto, et al.			
	5 8 0 5 8 2 1	09/08/98	Saxena, et al.			
	5 8 1 9 0 5 4	10/06/98	Ninomiya, et al.			
	6 1 3 4 6 2 4	10/17/00	Burns, et al.			
	4 6 3 6 9 4 8	1/13/87	Gdaniec et al.			
	5 1 6 6 6 7 4	11/24/92	Baum et al.			
	5 2 6 3 1 4 5	11/16/93	Brady et al.			
	5 7 9 9 2 0 9	8/25/98	Chatter			
	5 8 3 9 9 0 6	11/24/98	Leshem			

RECEIVED

FEB 03 2004

Technology Center 2100

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
					YES NO

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

Examiner	Date Considered:
	*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and considered. Include copy of this form with next communication to applicant.



Form PTO-1449  
(Rev. 8-83)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

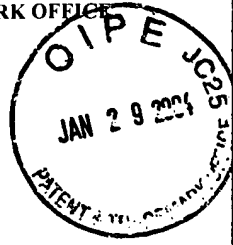
ATTY. DOCKET NO.:

EMC2-056PUS

APPLICATION NO.

09/606,734

INFORMATION DISCLOSURE CITATION



APPLICANT

David Black et al.

FILING DATE

June 29, 2000

GROUP

2187

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE*
		4	4	8	0	3	0	7	10/30/84	Budde et al.			
		5	8	9	0	2	0	7	03/30/99	Sue et al.			
		6	0	0	9	4	8	1	12/28/99	Mayer			
		6	0	3	8	6	3	8	03/14/00	Cadden et al.			
		6	3	9	7	2	8	1	05/28/02	MacLellan et al.			
		5	9	2	0	8	9	3	07/06/99	Nakayama et al.			
		6	6	5	1	1	3	0	11/18/03	Thibault			
		5	2	7	4	6	4	5	12/28/93	Idleman et al.			
		6	5	5	7	1	4	0	04/29/03	Kakuta et al.			
		6	2	0	5	5	3	6	03/20/01	Yoshida			
		5	9	0	3	9	1	1	05/11/99	Gaskins			

RECEIVED

FEB 03 2004

Technology Center 2100

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

Examiner		Date Considered:
		*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and considered. Include copy of this form with next communication to applicant.